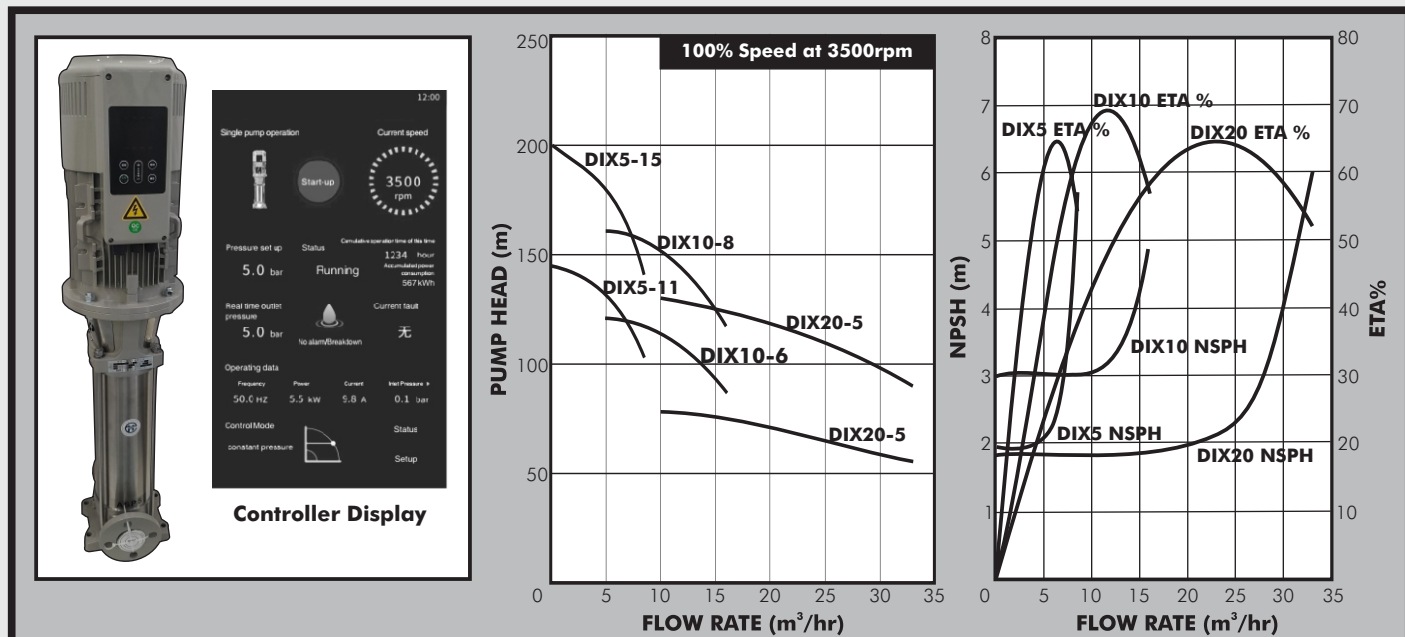




DIX

Smart Inverter Multistage Pumps



PUMP

The Dayliff DIX range of pumps are of non self-priming vertical multistage in-line centrifugal design incorporating inverter controllers suitable for a wide range of water supply, irrigation, liquid transfer and pressure boosting applications. The pumps are of heavy-duty construction designed for continuous duty in commercial and industrial applications and are quiet in operation. Pumps feature AISI 316 stainless steel for all hydraulic components in contact with water and are water lubricated with a standard cartridge type mechanical seal. They are supplied complete with BSP internally threaded counter flanges. Particular features include:-

- Integrated pressure set variable frequency inverter drive regulated by system demand that minimises energy consumption, reduces mechanical load and reduces operating cost
- Smart touch screen providing visual presentation of operating data, fault indication and set-up options
- In-built pump protection including high and low voltage, phase failure, overcurrent and motor overload, dry running and low flow cutoff with operator permission setting.
- Supplied with a pressure sensor to monitor and maintain pump's output at set constant pressure point
- Can be installed individually or with up to 4 no pumps connected in parallel for Booster set applications
- Automatic pump alternation in multi-pump booster systems to ensure automatic and uniform master to slave transfer and continuous operation in the event of pump failure
- Digital connectivity interface for BMS applications (Modbus RS485 communication port)

MOTOR

Pumps are coupled to IE5 permanent magnet variable high-speed motors complying with IEC standards and giving exceptional operating efficiency. The integral controller provides for soft start eliminating water hammer and other protection features enabling the motor to be directly connected to the mains power supply through an appropriately sized Fuse or MCB. This gives high levels of motor protection for long life and saves the cost of a supplementary motor control panel.

Enclosure Class: IP55

Insulation Class: F

Voltage: 3X415V

Speed: 3500rpm

OPERATING CONDITIONS

Pumped Liquids: Thin, clean, non-aggressive and non-explosive liquids without solid particles or fibres.

Liquid Temperature Range: -15°C to 105°C

Maximum Ambient Temperature: +40°C

Maximum Suction Lift: According to the NPSH curve plus a safety margin of 1m

Maximum Inlet Pressure: 6Bar.

PUMP DATA

Model	Power		Max Current (A)	Dimensions										Flange Size	Weight (kg)
	kW	HP		B1	B2	D1	D2	D3	W1	W2	W3	W4	Od		
DIX5-11	4	5.5	8.6	553	420	270	160	250	30	60	100	140	18	DN32	56
DIX5-15	5.5	7.5	11.8	681				280	50	80	110	150		DN40	61
DIX10-6				515											69
DIX10-8	7.5	10	16	575				300	65	90	125	165		DN450	66
DIX20-3				476											84
DIX20-5	11	15	23.4	654	520	320	190								84

